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Puget Sound Clean Air Agency

AIR OPERATING PERMIT

Puget Sound Clean Air Agency
1904 Third Avenue, Suite 105
Seattle, Washington 98101

Issued in accordance with the provisions of Puget Sound Clean Air Agency (previously known as Puget Sound Air Pollution Control Agency (PSCAA)) Regulation I, Article 7 and Chapter 173-401 WAC.

Pursuant to Puget Sound Clean Air Agency Regulation I, Article 7 and Chapter 173-401 WAC, Saint-Gobain Containers Inc is authorized to operate subject to the terms and conditions in this permit.

PERMIT NO.: 11656	**DATE OF ISSUANCE: June 6, 2007** Significant Modification, January 5, 2010 Administrative Amendment, November 13, 2013 Administrative Amendment, May 13, 2014
ISSUED TO:	**Ardagh Glass, Inc.** **(Previously Saint-Gobain Containers Inc)**
PERMIT EXPIRATION DATE: June 6, 2012	

SIC Code, Primary:	3221 Glass Containers
NAICS Code	327213 Glass Container Manufacturing
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Puget Sound Clean Air Agency Approval:

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Permit Engineer

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I. EMISSION LIMITS AND PERFORMANCE STANDARDS

The following tables list the citation for the "applicable requirement" in the second column. The third column (Date) contains the adoption or effective date of the requirement. In some cases, the effective dates of the "Federally Enforceable" requirement and the "State Only" requirement are different because either the state (or local authority) has not submitted the regulation to the EPA for approval into the State Implementation Plan (SIP), or the state (or local authority) has submitted it and the EPA has not yet approved it. "*STATE ONLY*" adoption dates are in *italicized* font. When the EPA does approve the new requirement into the SIP, the old requirement will be replaced and superseded by the new requirement. This replacement will take place automatically, with no changes being made to this permit until the permit is renewed. The new requirement will be enforceable by the EPA as well as the Puget Sound Clean Air Agency from the date that it is adopted into the SIP, and the old requirement will no longer be an applicable requirement.

The first column is used as an identifier for the requirement, and the fourth (Requirement Paraphrase) column paraphrases the requirement. The first and fourth columns are for information only and are not enforceable conditions of this permit. The actual enforceable requirement is embodied in the requirement cited in the second and third columns.

The fifth column (Monitoring, Maintenance & Recordkeeping Method) identifies the methods described in Section II of the permit. Following these methods is an enforceable requirement of this permit. The sixth (Emission Standard Period) column identifies the averaging time for the reference test method. The last column (Reference Test Method) identifies the reference method associated with an applicable emission limit that is to be used if and when a source test is required. In some cases where the applicable requirement does not cite a test method, one has been added.

In the event of conflict or omission between the information contained in the fourth and sixth columns and the actual statute or regulation cited in the second column, the requirements and language of the actual statute or regulation cited shall govern. For more information regarding any of the requirements cited in the second and third columns, refer to the actual requirements cited.

A. FACILITY-WIDE APPLICABLE REQUIREMENTS

The requirements in this section apply facility-wide to all the emission units regulated by this permit. If the Enforceable Requirement listed in Section I.A is duplicative of the Enforceable Requirement in Section I.B, then only the monitoring and recordkeeping method specified in Section I.B shall be required for the specific emission units, and the monitoring and recordkeeping method specified in Section I.A shall not apply to that unit or units.

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
I.A.1	Puget Sound Clean Air Agency Reg I: 9.03 *This requirement will be superseded upon adoption of the 3/25/04 version of Reg I: 9.03 into the SIP* *Puget Sound Clean Air Agency Reg. I: 9.03 (State Only). This requirement will become federally enforceable upon adoption into the SIP and will replace the 3/11/99 version of Reg I: 9.03*	3/11/99 3/25/04	Shall not emit more than 20% opacity for a period or periods aggregating more than 3 minutes in any 1-hour period This requirement does not apply when the presence of uncombined water is the only reason for the failure to meet the opacity limit and does not apply to glass furnaces required by §9.04 to be equipped with a continuous opacity monitoring system	II.A.1(a) Visual Opacity Monitoring	More than 3 min. in any 1 hr	Ecology Method 9A (See Section X)

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
I.A.2	WAC 173-400-040(1) *This requirement will be superseded upon adoption of the 12/23/00 version of WAC 173-400-040(1) into the SIP* WAC 173-400-040(1) *(State Only). This requirement will become federally enforceable upon adoption into the SIP and will replace the 8/20/1993 version of WAC 173-400-040(1)*	9/20/93 2/10/05	Shall not emit more than 20% opacity for more than 3 minutes in any 1-hour period This requirement does not apply when the presence of uncombined water is the only reason for the failure to meet the opacity limit	II.A.1(a) Visual Opacity Monitoring	More than 3 min. in any 1 hr	Ecology Method 9A (See Section X)
I.A.3	Puget Sound Clean Air Agency Reg. I: 9.09	4/9/98	Shall not emit particulate matter in excess of 0.05 gr/dscf from equipment used in a manufacturing process (uncorrected for excess air)	II.A.1(a) Visual Opacity Monitoring	At least 1-hr per run	Puget Sound Clean Air Agency Method 5 (See Section X)

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
I.A.4	WAC 173-400-060 *This requirement shall be superseded by the 2/10/05 version of WAC 173-400-060 upon its adoption into the SIP* WAC 173-400-060 *(State Only) This requirement will become federally enforceable upon adoption into the SIP and will replace the 9/20/93 version of WAC 173-400-060.*	9/20/93 *2/10/05*	Shall not emit particulate matter in excess of 0.10 gr/dscf from general process units, uncorrected for excess air	II.A.1(a) Visual Opacity Monitoring	At least 1-hr per run	EPA Method 5 (40 CFR Part 60, Appendix A, July 1, 2006)

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
I.A.5	Puget Sound Clean Air Agency Reg I: 9.07 WAC 173-400-040(6) first paragraph only. *This requirement shall be superseded by the 2/10/05 version of WAC 173-400-040(6) upon its adoption into the SIP* *WAC 173-400-040(6) (State Only). This requirement will become federally enforceable upon adoption into the SIP and will replace the 9/20/93 version of WAC 173-400-040(6)*	04/14/94 9/20/93 *2/10/05*	Shall not emit SO_2 in excess of 1,000 ppmv (dry) corrected to 7% O_2 for fuel burning equipment	No monitoring required	At least 1-hr per run	EPA Method 6C (40 CFR Part 60, Appendix A, July 1, 2006)

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
I.A.6	Puget Sound Clean Air Agency Reg I: 9.11 *(State Only)* WAC 173-400-040(5) *This requirement will be superseded upon adoption of the 2/10/05 version of* WAC 173-400-040(5) *into the SIP* WAC 173-400-040(5) *(State Only). This requirement will become federally enforceable upon adoption into the SIP and will replace the 9/20/93 version of WAC 173-400-040(5)*	3/11/99 9/20/93 2/10/05	Shall not emit air contaminants in sufficient quantities and of such characteristics and duration as is, or is likely to be, injurious to human health, plant or animal life, or property, or which unreasonably interferes with enjoyment of life and property	II.A.1(b) Complaint Response II.A.1(c) Facility-Wide Inspections	NA	NA
I.A.7	WAC 173-400-040(2) *(State Only)*	2/10/05	Shall not deposit particulate matter beyond property boundary in sufficient quantity to interfere unreasonably with the use and enjoyment of the property	II.A.1(b) Complaint Response II.A.1(c) Facility-Wide Inspections	NA	NA

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
I.A.8	WAC 173-400-040(4) *(State Only)*	2/10/05	Must use recognized good practice and procedures to reduce odors which may unreasonably interfere with any other property owners' use and enjoyment of their property	II.A.1(b) Complaint Response II.A.1(c) Facility-Wide Inspections	NA	NA

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
I.A.9	Puget Sound Clean Air Agency Reg. I: 9.15(a) WAC 173-400-040(3) WAC 173-400-040(8)	3/11/99 9/20/93 9/20/93	It shall be unlawful for any person to cause or allow visible emissions of fugitive dust unless reasonable precautions are employed to minimize the emissions. Reasonable precautions include, but are not limited to, the following: (1) The use of control equipment, enclosures, and wet (or chemical) suppression techniques, as practical, and curtailment during high winds; (2) Surfacing roadways and parking areas with asphalt, concrete, or gravel; (3) Treating temporary, low-traffic areas (e.g., construction sites) with water or chemical stabilizers, reducing vehicle speeds, constructing pavement or rip rap exit aprons, and cleaning vehicle undercarriages before they exit to prevent the track-out of mud or dirt onto paved public roadways; or (4) Covering or wetting truck loads or allowing adequate freeboard to prevent the escape of dust-bearing materials	II.A.1(b) Complaint Response II.A.1(c) Facility-Wide Inspections	NA	NA
I.A.10	Puget Sound Clean Air Agency Reg. I: 9.20	6/09/88	Shall maintain equipment in good working order	II. Monitoring, Maintenance and Recordkeeping Procedures	NA	NA

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
I.A.11	Puget Sound Clean Air Agency Reg. I: 7.09(b)	9/10/98	Shall develop and implement an O&M Plan to assure continuous compliance with Puget Sound Clean Air Agency Regulations I, II and III	II.B Operation and Maintenance (O&M) Plan Requirements.	NA	NA
I.A.12	WAC 173-400-040	08/20/93	Emissions from a common stack must meet the most restrictive standard of any of the connected emissions units	NA	NA	NA
I.A.13	Puget Sound Clean Air Agency Reg. I: 9.10(a) *(State Only)*	06/09/88	Shall not emit HCl in excess of 100 ppm (dry) corrected to 7% O_2 for combustion sources	No monitoring required	At least 1-hr per run	EPA Method 26 (40 CFR Part 60, Appendix A; July 1, 2006)
I.A.14	RCW 70.94.040 *(State Only)*	1996	Shall not emit air contaminants in sufficient quantities and of such characteristics and duration as is, or is likely to be, injurious to human health, plant or animal life, or property, or which unreasonably interferes with enjoyment of life and property or cause a violation of RCW 70.94 or any regulation adopted hereunder	II.A.1(b) Complaint Response II.A.1(c) Facility-Wide Inspections	NA	NA

NA = Not Applicable

B. EMISSION UNIT SPECIFIC APPLICABLE REQUIREMENTS

The requirements in Section I.B. only apply to the specific emission units cited; however, the requirements in Section I.A. also apply. If the Enforceable Requirement listed in Section I.B is duplicative of the Enforceable Requirement in Section I.A, then only the monitoring and recordkeeping method specified in Section I.B shall be required for the specific emission units, and the monitoring and recordkeeping method specified in Section I.A shall not apply to that unit or units.

1. Emission Unit #1 (EU-1): Glass Melting Furnaces No. 2, No. 3, No. 4 and No. 5

This emissions unit consists of combined emissions from Glass Melting Furnaces No. 2, No. 3, No. 4 and No. 5 for manufacturing of glass containers except where an individual glass melting furnace(s) is specified.

APPLICABLE REQUIREMENTS

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
EU 1. 1.	Puget Sound Clean Air Agency Reg. I: 9.03 *This requirement shall apply to Furnace No. 5 alone and not the other furnaces. It will become applicable upon startup of the scrubber, per Order of Approval No. 9528, Condition No. 3 (2/22/07)*	3/11/99	Shall not emit more than 20% opacity for a period or periods aggregating more than 3 minutes in any 1-hour period	II.A.2(j) Glass Furnace Visual Opacity Monitoring	More than 3 min. in any 1 hr	Ecology Method 9A (See Section X)

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
EU 1. 2.	WAC 173-400-040(1) *This requirement will be superseded upon adoption of the 2/10/05 version of* WAC 173-400-040(1) *into the SIP*	9/20/93	Shall not emit more than 20% opacity for more than 3 minutes in any 1-hour period	II.A.2(j) Glass Furnace Visual Opacity Monitoring	More than 3 min. in any 1 hr	Ecology Method 9A (See Section X)
	WAC 173-400-040(1) *(State Only). This requirement will become federally enforceable upon adoption into the SIP and will replace the 9/20/93 version of WAC 173-400-040(1)*	2/10/05				

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
EU 1. 3.	Puget Sound Clean Air Agency Reg. I: 9.04(c)(2) *This requirement will be superseded upon adoption of the 3/25/04 version of Reg. I: 9.04(c)(2) into the SIP* Puget Sound Clean Air Agency Reg. I: 9.04(c)(2) (State Only) *This requirement will become federally enforceable upon adoption of the 3/25/04 version of Reg. I: 9.04(c)(2) into the SIP* *This requirement shall not apply to Furnace No. 5 upon startup of the scrubber, per Order of Approval No. 9528, Condition No. 3 (2/22/07)*	4/9/98 3/25/04	It shall be unlawful for any person to cause or allow the emission of any air contaminant from Glass Melting Furnaces No. 2, No. 3, No. 4, or No. 5 during any hour that contains any consecutive 6-minute period averaging greater than 20% opacity	II.A.2(a) Glass Melting Furnace Continuous Opacity Monitoring	6-minute period	EPA Method 9 (40 CFR 60, Appendix A, July 1, 2006 EPA Performance Specification 1 (40 CFR 60, Appendix B, July 1, 1997)

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
EU 1. 4.	Puget Sound Clean Air Agency Reg. I: 9.09(a)	4/9/98	Shall not emit particulate matter in excess of 0.05 gr/dscf from Glass Melting Furnaces No. 2, No. 3, No. 4, or No. 5 (uncorrected for excess air)	II.A.2(b) Glass Melting Furnace Particulate Testing II.A.2(c) Glass Melting Furnace No. 2 Simultaneous Particulate Testing	At least 1-hr per run	Puget Sound Clean Air Agency Method 5 (See Section X)
EU 1. 5.	WAC 173-400-060 *This requirement shall be superseded by the 2/10/05 version of WAC 173-400-060 upon its adoption into the SIP* WAC 173-400-060 *(State Only) This requirement will become federally enforceable upon adoption into the SIP and will replace the 3/22/91 version of* WAC 173-400-060	3/22/91 2/10/05	Shall not cause or permit the emission of particulate material from Glass Melting Furnaces No. 2, No. 3, No. 4, or No. 5 in excess of 0.1 gr/dscf of exhaust gas (uncorrected for excess air).	II.A.2(b) Glass Melting Furnace Particulate Testing II.A.2(c) Glass Melting Furnace No. 2 Simultaneous Particulate Testing	At least 1-hr per run	EPA Method 5 (40 CFR Part 60, Appendix A, July 1, 2006)

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
EU 1. 6.	Puget Sound Clean Air Agency Order of Approval No. 8244 Condition No. 3*This Order of Approval was dated 6/14/01, but became effective on 9/30/04 following EPA adoption into the SIP.*	9/30/04	Shall not exceed the PM10 emission standard from Glass Melting Furnaces Nos. 2, 3, 4, and 5 combined as a total PM10 emission limit of 17.5 lbs/hr as determined by simultaneous testing procedures.	II.A.2(e) Glass Melting Furnaces Simultaneous Particulate Testing II.A.2(b) Glass Melting Furnace Particulate Testing	At least a 60-minute sample time during each individual source test run	Puget Sound Clean Air Agency Method 5 (See Section X)
EU 1. 7.	Puget Sound Clean Air Agency Order of Approval No. 5193 Condition No. 5(a)	1/24/94	Shall not emit PM10 in excess of 0.5 lb/ton of glass produced from Furnace No. 5	II.A.2(b) Glass Melting Furnace Particulate Testing	At least 1-hr per run	PM10 by Puget Sound Clean Air Agency Method 5
EU 1. 8.	Puget Sound Clean Air Agency Order of Approval No. 5289 Condition No. 5(a)	1/24/94	Shall not emit PM10 in excess of 0.5 lb/ton of glass produced from Furnace No. 2	II.A.2(b) Glass Melting Furnace Particulate Testing	At least 1-hr per run	PM10 by Puget Sound Clean Air Agency Method 5 (See Section X)

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
EU 1. 9.	Puget Sound Clean Air Agency Order of Approval No. 9901, Condition 5	1/5/10	When fired on oil, PM emissions from furnaces 2 and 5 shall not exceed 0.5 lb/ton of glass produced	No monitoring required	1-hr average	Puget Sound Clean Air Agency Method 5 (See Section X)
EU 1. 10.	(Reserved)					
EU 1. 11.	Puget Sound Clean Air Agency Order of Approval No. 5193 Condition No. 5(b)	1/24/94	Shall not emit NO_x in excess of 3.8 lbs NO_x/ton of glass produced from Furnace No. 5	No monitoring required	At least 1-hr per run	EPA Method 7E (40 CFR 60 Appendix A, July 1, 2006)
EU 1. 12.	Puget Sound Clean Air Agency Order of Approval No. 5289 Condition 5(b)	1/24/94	Shall not emit NO_x in excess of 3.8 lb/ton of glass produced from Furnace No. 2	No monitoring required	At least 1-hr per run	EPA Method 7E (40 CFR 60 Appendix A, July 1, 2006)
EU 1. 13.	Puget Sound Clean Air Agency Order of Approval No. 9901, Condition 7	1/5/10	When fired on oil, NO_x emissions from furnaces 2 and 5 shall not exceed 3.8 lb/ton of glass produced	No monitoring required	1-hr average	EPA Method 7E (40 CFR 60 Appendix A, July 1, 2008)
EU 1. 14.	(Reserved)					

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
EU 1. 15.	Puget Sound Clean Air Agency Order of Approval No. 5193 Condition No. 5(c)	01/24/94	Shall not emit SO_2 in excess of 1.6 lb/ton of glass produced from Furnace No. 5	II.A.2(d) Glass Melting Furnace SO2 Testing II.A.2(l) Cloud Chamber Scrubber Operations	At least 1-hr per run	EPA Method 6C (40 CFR 60 Appendix A, July 1, 2006)
EU 1. 16.	Puget Sound Clean Air Agency Order of Approval No. 5289 Condition No. 5(c)	01/24/94	Shall not emit SO_2 in excess of 1.6 lb/ton of glass produced from Furnace No. 2	II.A.2(d) Glass Melting Furnace SO2 Testing	At least 1-hr per run	EPA Method 6C (40 CFR 60 Appendix A, July 1, 2006)
EU 1. 17.	Puget Sound Clean Air Agency Order of Approval No. 9901, Condition 6	1/5/10	When fired on oil, SO_2 emissions from furnaces 2 and 5 shall not exceed 1.6 lb/ton of glass produced	No monitoring required	1-hr average	EPA Method 6C (40 CFR 60 Appendix A, July 1, 2008)
EU 1. 18.						

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
EU 1. 19.	NSPS 40 CFR 60 Subpart CC 40 CFR 60.293(b)(1)	10/17/00	Shall not emit particulate matter exceeding 0.5 g/kg of glass produced (1.0 lb/ton) from any glass furnaces subject to NSPS Subpart CC that using any technique designed to minimize emissions without the use of add-on pollution controls (Such furnaces are not subject to 40 CFR 60.292)	II.A.2(f) NSPS 40 CFR 60 Subpart CC Standards of Performance for Glass Manufacturing Plants	At least 1-hr per run	EPA Method 5 (40 CFR 60 Appendix A, July 1, 2006)
EU 1. 20.	Puget Sound Clean Air Agency Order of Approval No. 9528, Condition 3	2/22/07	The requirements under 40 CFR 60.293 shall continue to apply to Furnace No. 5 until startup of the cloud chamber scrubber. Saint-Gobain shall operate the cloud chamber scrubber until it has received an Order of Approval from the Agency cancelling and superseding this Order of Approval No. 9528. Startup occurs when the cloud chamber scrubber has been installed, shakedown is complete, and the Notice of Completion is submitted to the Agency.	NA	NA	NA

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
EU 1. 21.	40 CFR 60.292(a)(1) 40 CFR 60.292(e)	10/17/00 10/17/00	Shall not emit particulate matter exceeding 0.1 g/kg of glass produced (0.2 lb/ton) when fired on gas and 0.13 g/kg (0.26 lb/ton) when fired on oil from glass furnaces subject to NSPS Subpart CC that use add-on pollution controls These emission limits shall not apply during routine maintenance of add-on pollution controls if: - Routine maintenance in each calendar year does not exceed 6 days; - Routine maintenance is conducted in a manner consistent with good air pollution control practices for minimizing emissions; and - A report is submitted to the Agency 10 days before the start of the routine maintenance (if 10 days cannot be provided, the report must be submitted as soon as practicable) and the report contains an explanation of the schedule of the maintenance.	II.A.2(b) Glass Melting Furnace Particulate Testing	At least 1-hr per run	EPA Method 5 (40 CFR Part 60, Appendix A, July1, 2006) 40 CFR 60.296(d) , 10/17/00 40 CFR 60.8, 2/12/99
EU 1. 22.	RCW 70.94.152(7) (State Only)	1996	Must maintain equipment in good working order for Glass Melting Furnaces No. 2, No. 3, No. 4, and No. 5	II. Monitoring, Maintenance and Recordkeeping Procedures	NA	NA

Reqmt. No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
EU 1. 23.	Puget Sound Clean Air Agency Order of Approval No. 9901, Condition 3	1/5/10	During periods of natural gas curtailment not to exceed 31 days per calendar year, Saint Gobain may fire ultra-low sulfur diesel (with <15 ppm sulfur, as purchased) in the glass melting furnaces	II.A.2(k) Fuel Oil Monitoring	NA	ASTM D 2622-08
EU 1. 24.	(Reserved)					
EU 1. 25.	(Reserved)					
EU 1. 26.	(Reserved)					
EU 1. 27.	(Reserved)					
EU 1. 28.	(Reserved)					
EU 1. 29.	Puget Sound Clean Air Agency Order of Approval No. 9528, Condition 4-10	2/22/07	Shall complete all testing, collect all data, and submit all reports identified in the Order of Approval to evaluate the Cloud Chamber Scrubber technology.	II.A.2(l) Cloud Chamber Scrubber Operations	NA	NA

NA = Not Applicable

2. Emission Unit #2 (EU-2): Baghouses

This emission unit consists of the following equipment controlled by the following baghouses:

No. 1 Dalamatic Baghouse (west side of furnace), controls the batch conveyor system for Glass Melting Furnace No. 5;
No. 2 Serbaco Row Pulse Jet 36-10-TR Baghouse at 3000 cfm, controls the loading/unloading area;
No. 3 Mikro-Pulsaire Baghouse (west side of main silo) controls the silo weighing and storage system;
No. 4 Mikro-Pulsaire Baghouse (south end of yard) controls batch tank for Glass Melting Furnace No. 2 conveyor system;
No. 5 Mikro-Pulsaire Baghouse (north end of yard) controls batch tank for Glass Melting Furnace No. 2 Conveyor System No. 5;
No. 6 Baghouse (on roof above Glass Melting Furnace No. 2) controls batch conveyor system for Glass Melting Furnace No. 2;
No. 7 LMC Model #24-F5D (batch bin roof) controls the batch conveyor system for Glass Melting Furnace No. 1 (installed June 2003);
No. 8 Dusty Dustless Baghouse (south end of furnace), controls the batch conveyor system for Glass Melting Furnace No. 5;
No. 9 Dusty Dustless Baghouse (top of furnace), controls the batch conveyor system for Glass Melting Furnace No. 5; and
No. 10 Dust Collector Baghouse rated at 17,000 cfm, controls metal grinding in the Mold Shop.
No. 11 Flex-Kleen Model 100 controlling the shed for the raw material batch unloading system; *NOC 9004 rated at 6400 cfm*
No. 12 Flex-Kleen Model 58 controlling the elevator for the raw material batch unloading system; *NOC 9004 rated at 300 cfm*
No. 13 Empire 6060-RS controls the Mold Shop bead blaster
No. 14 Torit Dust Collector (top of silo) controls the silo over the mixed batch distributor.
Nos. 15-21 MAC baghouses controlling raw material silos 1-8. *rated at 300 cfm NOC 9388 replacements*

APPLICABLE REQUIREMENTS

Reqmt No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period 7	Reference Test Method
EU 2.1	Puget Sound Clean Air Agency Order of Approval No. 8244 Condition No. 5*This Order of Approval was dated 6/14/01, but became effective on 9/30/04 following EPA adoption into the SIP.*	9/30/04	Shall not exceed the PM10 emission standard of 0.010 gr/dscf from each of the baghouses listed below: No. 1 Dalamatic; No. 2 Serbaco Row Pulse Jet 36-10-TR; No. 3 Mikro-Pulsaire; No. 4 Mikro-Pulsaire; No. 5 Mikro-Pulsaire; No. 6 Baghouse; No. 7 LMC Model #24-F5D; No. 8 Dusty Dustless; No. 9 Dusty Dustless and No. 10 Dust Collector No. 13 Empire 6060-RS No. 14 Torit Dust Collector	II.A.1(a) Visual Opacity Monitoring II.A.2(g) Baghouse Inspections	At least 1-hr per run	PM10 by Puget Sound Clean Air Agency Method 5 (See Section X)
EU 2.2	Puget Sound Clean Air Agency Order of Approval No. 9004, Condition No. 3	5/3/04	Shall not emit particulate matter in excess of 0.02 gr/dscf from the Flex-Kleen Model 58 and 100 baghouses	II.A.1(a) Visual Opacity Monitoring II.A.2(g) Baghouse Inspections	At least 1-hr per run	Puget Sound Clean Air Agency Method 5(See Section X)

Reqmt No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period 7	Reference Test Method
EU 2.3	Puget Sound Clean Air Agency Order of Approval No. 9004, Condition No. 4	5/3/04	Shall not cause or allow visible emissions or particulate fallout from the raw material unloading system and the Flex-Kleen Model 58 and 100 baghouses	II.A.1(a) Visual Opacity Monitoring II.A.1(c) Facility-Wide Inspections II.A.2(g) Baghouse Inspections	NA	NA
EU 2.4	Puget Sound Clean Air Agency Order of Approval No. 9388, Condition No. 3	5/3/04	Shall not cause or allow visible emissions or particulate fallout from the MAC and Torit baghouses	II.A.1(a) Visual Opacity Monitoring II.A.1(c) Facility-Wide Inspections II.A.2(g) Baghouse Inspections	NA	NA

NA = Not Applicable

3. Emission Unit #3 (EU-3): Centrifugal Exhauster rated at 7,500 cfm

This emissions unit consists of the Centrifugal Exhauster used for glass equipment cleaning.

APPLICABLE REQUIREMENTS

Reqmt No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
EU-3. 1	Puget Sound Clean Air Agency Order of Approval No. 5542; Condition No. 4:	8/22/94	Shall not exceed 10% opacity for a period or periods aggregating more than 3 minutes in any 1 hour, from the relocated centrifugal exhauster at 7,500 cfm used for glass equipment cleaning	II.A.1(a) Visual Opacity Monitoring	More than 3 min. in any 1 hr	Ecology Method 9A (See Section X)
EU-3. 2	RCW 70.94.152(7)	1996	Must maintain equipment in good working order	II. Monitoring, Maintenance and Recordkeeping Procedures	NA	NA

NA = Not Applicable

4. Emission Unit #4 (EU-4): Glass Mold Forming Machine Building Monitors (Swabbing Operations).

This emission unit consists of the buildings containing Glass Mold Forming Machines and the roof monitor vents. This unit includes the ten Glass Mold Forming Machines (Swabbing Operations).

APPLICABLE REQUIREMENTS

Reqmt No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
EU-4. 1	Puget Sound Clean Air Agency Reg I: 9.03 *This requirement will be superseded upon adoption of the 3/25/04 version of Reg I: 9.03 into the SIP* *Puget Sound Clean Air Agency Reg. I: 9.03 (State Only). This requirement will become federally enforceable upon adoption into the SIP and will replace the 3/11/99 version of Reg I: 9.03*	3/11/99 3/25/04	Visible emissions Shall not emit more than 20% opacity for a period or periods aggregating more than 3 minutes in any 1-hour period	II.A.2(i) Mold Swabbing Building Monitor Visual Opacity Monitoring	More than 3 min. in any 1 hr	Ecology Method 9A (See Section X)

Reqmt No.	Enforceable Requirement	Adoption or Effective Date	Requirement Paraphrase (Information Only)	Monitoring, Maintenance & Recordkeeping Method (See Section II)	Emission Standard Period	Reference Test Method
EU-4. 2	WAC 173-400-040(1) *This requirement will be superseded upon adoption of the 2/10/05 version of* WAC 173-400-040(1) *into the SIP* WAC 173-400-040(1) *(State Only). This requirement will become federally enforceable upon adoption into the SIP and will replace the 9/20/1993 version of* WAC 173-400-040(1)	9/20/93 2/10/05	Visible emissions Shall not emit more than 20% opacity for more than 3 minutes in any 1-hour period	II.A.2(i) Mold Swabbing Building Monitor Visual Opacity Monitoring	More than 3 min. in any 1 hr	Ecology Method 9A (See Section X)

NA = Not Applicable

II. MONITORING, MAINTENANCE AND RECORDKEEPING PROCEDURES

A. Minimum Monitoring and Maintenance Requirements

1. Facility-Wide Monitoring

(a) Visual Opacity Monitoring

Saint-Gobain shall conduct inspections of the facility for visible emissions at least once per calendar quarter. Inspections are to be performed while the equipment is in operation during daylight hours. If, during the scheduled inspection or at any other time, visible emissions other than uncombined water are observed, Saint-Gobain shall within 24 hours of the initial observation take corrective action, which may include shutting down the unit or activity until it can be repaired, until there are no visible emissions, or alternatively, record the opacity using the reference test method. Failure to take corrective action as described above, or observing opacity above the standard, is a deviation of this permit and must be reported under Section V.M Compliance certifications or V.Q Reporting of this permit. All observations using the reference test method shall be reported within 30 days after the end of the month that the observations occurred. This report shall be an attachment to the opacity monitoring report required in Section V.Q.2 of this permit. This Section does not apply to Emission Unit #1 or Emission Unit #4.

[WAC 173-401-615(1)(b), 10/17/02; WAC 173-401-615(3)(b), 10/17/02]

(b) Complaint Response

Saint-Gobain shall record and investigate air pollution complaints as soon as possible, but no later than three days after receipt. Saint-Gobain shall identify complaints regarding these emissions as follows:

(i) Any emissions that are, or are likely to be injurious to human health, plant or animal life, or property, or which unreasonably interfere with enjoyment of life and property
(ii) Any emissions from fallout,
(iii) Any track-out onto paved roads open to the public,
(iv) Any emissions of odor-bearing air contaminants,
(v) Complaints regarding other applicable requirements.

Saint-Gobain shall correct any problems identified by these inspections or complaint investigations within 24 hours of identification or shut down the unit or activity until it can be repaired or corrected. Failure to investigate as described above or, alternatively, not shutting down the unit or activity is a deviation of this permit and must be reported as a deviation under Section V.M Compliance certifications or V.Q Reporting of this permit.

[WAC 173-401-615(1)(b), 10/17/02; WAC 173-401-615(3)(b), 10/17/02]

(c) Facility-Wide Inspections

Saint-Gobain shall conduct a facility-wide inspection at least once per calendar quarter. These inspections shall include checking for prohibited activities under Section III of the permit and activities that require additional approval under Section IV of the permit. The inspections shall also examine the general state of compliance with the general applicable requirements and the general effectiveness of the O&M Plan.

The facility-wide inspection shall include a determination of whether:

(i) 'reasonable precautions' are being used for fugitive dust control (I.A.9);
(ii) 'recognized good practice and procedures' are being used to reduce odors which may unreasonably interfere with any other property owners' use and enjoyment of their property (I.A.8); and
(iii) 'emissions of any air contaminant in sufficient quantities and of such characteristics and duration as is, or is likely to be, injurious to human health, plant or animal life, or property, or which unreasonably interfere with enjoyment of life and property' (I.A.6, I.A.7, I.A.8, I.A.14) are occurring.

Saint-Gobain shall correct any problems identified by these inspections within 24 hours of identification or shut down the unit or activity until the problem can be corrected or report the problem as a deviation under Section V.M Compliance certifications or V.Q Reporting or of this permit.

[WAC 173-401-615(1)(b), 10/17/02; WAC 173-401-615(3)(b), 10/17/02]

(d) Maintenance and Repair of Insignificant Emission Units

Saint-Gobain shall use good industrial practices to maintain insignificant emission units and equipment not listed in this permit. For such equipment, Saint-Gobain shall also promptly repair defective equipment.

[WAC 173-401-530(2)(a), 10/17/02] [Puget Sound Clean Air Agency Regulation I, Section 9.20(b) 6/9/88]

2. Specific Monitoring

(a) Glass Melting Furnace Continuous Opacity Monitoring

Saint-Gobain shall not cause or allow the operation of any glass furnace (rated at greater than 1 ton per hour, that burns fuel) unless it is equipped with a continuous opacity monitoring system, except Furnace No. 5 after the Tri-Mer Cloud Chamber Scrubber equipment is installed pursuant to Order of Approval No. 9528.

[Regulation I, Section 9.04(b)(3) and (e), 4/9/98; Regulation I, Section 9.04(b)(3) and (e), 4/9/98]

(b) Glass Melting Furnace Particulate Testing

Saint-Gobain shall conduct quarterly (at least once per calendar quarter) source tests for particulate matter emissions from Glass Melting Furnaces No. 2, 3, 4 and 5 following Puget Sound Clean Air Agency Regulation I, Section 3.07 (Section V.N.1 General Emission Testing) to demonstrate compliance with EU 1.4, 1.5, 1.6, 1.7, and 1.8. The source tests shall use the Reference Test Methods identified with those limits.

During the quarterly testing, specific testing and reporting requirements in addition to the Reference Test Method Requirements apply to Glass Melting Furnace No. 2, as identified in Section II.A.2(c) of this permit. During the quarterly testing, test runs on Glass Melting Furnace No. 3 may be conducted using two traverses of the single test port.

One quarterly source test per calendar year must be a simultaneous source test which satisfies the requirements identified in Section II.A.2(e) of this permit. The quarterly source testing (including the annual simultaneous source testing requirement identified in Section II.A.2(e) of this permit) still applies to EU 1.6.

If the results of any source test conducted at any time indicate noncompliance with a particulate emission standard, nothing in this section prohibits the Agency from requiring further source tests in addition to those required by this section, pursuant to Agency Regulation I, Section 3.07, or from taking enforcement action as authorized by 70.94 RCW.

[WAC 173-401-615(1)(b), 10/17/02; WAC 173-401-615(3)(b), 10/17/02]

(c) Glass Melting Furnace No. 2 Simultaneous Particulate Testing

Saint-Gobain shall demonstrate compliance for Glass Melting Furnaces No. 2 with EU 1.5 by conducting a simultaneous source test on each stack meeting the following conditions:

(a) Each source test run shall be sampled simultaneously, as specified in (e) below.

(b) Each source test run shall be conducted for at least a 60-minute period.

(c) Calculate the weighted average emission concentration for each run by using the following equation.

$$C_{avg}(\text{Run 1}) = (C_1 x Q_1 + C_2 x Q_2)/(Q_1 + Q_2)$$

Where:

C_{avg}(Run 1) = weighted average concentration for combined stack emissions for Run 1

C_1 = concentration in stack 1 (gr/dscf)

Q_1 = gas flow rate in stack 1 (dscf/min)

C_2 = concentration in stack 2 (gr/dscf)

Q_2 = gas flow rate in stack 2 (dscf/min)

(d) Calculate the average emission for Glass Melting Furnace No. 2 by the following equation.

$$C_{avg} = [C_{avg}(Run\ 1)+C_{avg}(Run\ 2)+C_{avg}(Run\ 3)]/3$$

(e) An individual source test run of Condition (a) above shall mean the period of time during which an individual stack of Glass Melting Furnace No. 2 is sampled. A simultaneous source test run means the period of time during which simultaneous emission samples are collected from each stack of Glass Melting Furnace No. 2 where all sampling is started and stopped at the same time. Individual source test runs shall be considered simultaneous if all sampling starts within a five-minute period and stops within a five-minute period.

(f) These simultaneous tests shall be conducted following Puget Sound Clean Air Agency Regulation I, Section 3.07 (Section V.N.1 General Emission Testing), and testing shall follow the Puget Sound Clean Air Agency Method 5 (See Section X) of this permit.

(g) These simultaneous tests for Glass Melting Furnace No. 2 may be performed in combination with the testing requirements in Section II.A.2(b) and Section II.A.2(e) of this permit.

[WAC 173-401-615(1)(b), 10/17/02; WAC 173-401-615(3)(b), 10/17/02]

(d) Glass Melting Furnace SO_2 Testing

Saint-Gobain shall conduct biennial (at least once every other calendar year) reference method source tests on affected glass melting furnaces, following Puget Sound Clean Air Agency Regulation I, Section 3.07 (Section V.N.1 General Emission Testing) to demonstrate compliance.

[WAC 173-401-615(1)(b) 10/17/02; WAC 173-401-615(3)(b), 10/17/02]

(e) Glass Melting Furnaces Simultaneous Particulate Testing

At least once per calendar year, Saint-Gobain shall conduct source tests on affected glass melting furnaces, following Puget Sound Clean Air Agency Regulation I, Section 3.07 (Section V.N.1 General Emission Testing) to demonstrate compliance. (EU 1.6). The source tests shall use the Reference Test Methods identified for EU 1.6 in Section I.B of this permit.

Within 60 days of *[the date of a test indicating]* noncompliance with the simultaneous particulate standard (EU 1. 6), Saint-Gobain shall submit a compliance report that includes:

(a) The probable cause of non-compliance;

(b) The corrective actions taken; and

(c) A schedule for implementing preventive measures to assure compliance.

Within 90 days of *[the date of a test indicating]* noncompliance with the simultaneous particulate standard (EU 1. 6), Saint-Gobain shall demonstrate compliance by following a source test plan meeting Regulation I, Section 3.07 (Section V.N.1 General Emission Testing) and using the Reference Test Methods identified for EU 1.6 in section I.B of this permit.

Restarting a Glass Melting Furnace

Saint-Gobain shall, within 60 days of restarting an affected glass melting furnace that was not operating during the most recent simultaneous source tests, perform a simultaneous test to demonstrate compliance with limits (EU 1. 6) in Order of Approval No. 8244, Condition No. 3.

Simultaneous Source Testing Procedures

Saint-Gobain shall demonstrate compliance of all affected operating Glass Melting Furnaces No. 2, No. 3, No. 4, and No. 5 with Order of Approval No. 8244 (EU 1. 6) by conducting a simultaneous source test meeting the following conditions:

(a) Each affected operating furnace shall be simultaneously source tested for at least a 60-minute period during each individual source test run.

(b) All affected operating furnaces shall have three simultaneous source test runs following Condition (a) above.

(c) The average emission of each affected operating furnace shall be calculated for the source test runs in Condition (b) above.

(d) The total PM10 emission of Condition (c) above shall be the sum of the average emission rates of each affected operating furnace.

(e) An individual source test run of Condition (a) above shall mean the period of time during which an individual furnace is sampled. A simultaneous source test run of (b) above means the period of time during which simultaneous emission samples are collected from all affected operating glass melting furnaces where all sampling is started and stopped at the same time. Individual source test runs shall be considered simultaneous if all sampling starts within a five-minute period and stops within a five-minute period.

(f) If one individual source test run on a single affected glass melting furnace is accidentally lost while conducting a simultaneous source test run, or if one individual source test run must be discontinued for the following reasons, then the average emission of Condition (c) above may, upon the approval of the Control Officer, be determined using the average emission of the results of the two remaining individual source test runs for the single affected glass melting furnace:

(1) A forced shutdown;

(2) A failure of an irreplaceable portion of the sample train;

(3) Extreme meteorological conditions, or

(4) Other circumstances beyond the owner's or furnace operator's control, which do not allow the collection of at least a 60-minute sample time.

[Order of Approval No. 8244, 6/14/2001] [WAC 173-401-615(1)(b) 10/17/02; WAC 173-401-615(3)(b) 10/17/02]

(f) NSPS 40 CFR 60 Subpart CC Standards of Performance for Glass Manufacturing Plants

Saint Gobain shall collect continuous opacity monitoring data in accordance with the procedures and provisions identified in Section II.A.2(a).

Saint Gobain shall use the 6-minute opacity averages from a performance test (as identified in EU 1.12 and using Reference Test Methods identified for that requirement) to determine the opacity value corresponding to the 99 percent upper confidence level of a normal distribution of average opacity values.

[40 CFR 60.293(c)]

Saint-Gobain shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative."

Saint-Gobain shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this part recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records,

[40 CFR 60.7(b) and (f), 2/12/99]

(g) Baghouse Inspections

1. General

Saint-Gobain shall conduct quarterly inspections of the interiors of all baghouses (except the Flex-Kleen baghouses) for visible evidence of baghouse malfunctions, such as leakage of particulate matter to the clean side and torn or missing bags.

[WAC 173-401-615(1)(b), 10/17/02]

2. Baghouse No. 7

Saint Gobain shall within 30 days after startup, establish the pressure drop range across the LMC-25-FSD-8 baghouse, and record the minimum and maximum values in the facility's Operations and Maintenance Plan. The established pressure drop range shall be made visible on or near the baghouse pressure drop measuring instruments.

Saint Gobain shall inspect the LMC-25-FSD-8 baghouse monthly when operating and document pressure drop readings. If the pressure drop is outside the established range, Saint-Gobain shall within 24 hours of the initial observation take corrective actions as specified in the Operations and Maintenance Plan. These actions may include shutting down the unit or activity until it can be repaired or until there are no visible emissions; or alternatively, recording the opacity using the reference test method.

[Puget Sound Clean Air Agency Order of Approval No. 8874, Conditions 4 and 5, 7/22/03]

3. Baghouses No. 11 & 12

Saint Gobain shall, within 30 days after startup, establish the pressure drop range across the Flex-Kleen Models 58 BVBS 9 and 100 WSTS 100 Baghouses, and record the minimum and maximum values in the facility's Operations and Maintenance Plan based on maintaining no visible emissions and following the manufacture's recommendations. The established pressure drop range shall be made visible on or near the baghouse pressure measuring instruments. *[Condition No. 5]*

At least once per calendar quarter, Saint Gobain shall monitor and record the pressure drop across the filters, and visible emissions (including fugitive dust or fallout) from the Flex-Kleen Models 58 and 100 Baghouses when operating. *[Condition No. 6]*

Saint Gobain shall define corrective actions in the Operations and Maintenance Plan following Regulation I, Section 7.09(b) to address Order of Approval Conditions Nos. 3 through 6 *[see EU 2.2 and EU 2.3 and condition in previous paragraph]. [Condition No. 7]*

Saint Gobain shall initiate corrective actions whenever there is unacceptable baghouse pressure drop or unacceptable visible emissions (including fugitive dust, particulate fallout or odors), within 24 hours and Saint Gobain shall make corrections until:

(a) The Flex-Kleen Models 58 and 100 baghouses meet the visible emission in Condition No. 4 and the pressure drop in Condition No. 5, or

(b) Saint Gobain shall shut down the appropriate equipment as specified in the Operation and Maintenance Plan. *[Condition No. 8]*

Saint Gobain shall maintain records on site for Conditions No. 5 through No. 8 above, including the probable cause of non-compliance; the corrective actions taken; and a schedule for implementing preventive measures to assure compliance. Saint Gobain shall retain records for at least two years and make them available to Puget Sound Clean Air Agency personnel upon request. *[Condition No. 9]*

[Puget Sound Clean Air Agency Order of Approval No. 9004, Conditions 5-9, 5/3/04]

4. Baghouses No. 14-21

Saint-Gobain shall within 30 days after startup, establish the pressure drop range across the MAC and Torit duct collectors, and record the minimum and maximum values in the facility's Operations and Maintenance Plan. The established pressure drop range shall be made visible on or near the baghouse pressure drop measuring instruments.

Saint-Gobain shall inspect the MAC and Torit duct collectors monthly when operating and document pressure drop readings. If the pressure drop is outside the established range, Saint-Gobain shall within 24 hours of the initial observation take corrective actions as specified in the Operations and Maintenance Plan. These actions may include shutting down the unit or activity until it can be repaired or until there are no visible emissions; or alternatively, recording the opacity using the reference test method.."

[Puget Sound Clean Air Agency Order of Approval No. 9388, Conditions 4 and 5, 4/12/06]

(h) Continuous Emission Monitoring

1. **Continuous Monitoring.** It shall be unlawful for any person [Saint-Gobain] to cause or allow the operation of any equipment required to have a continuous emission monitoring system unless the emissions are continuously monitored in accordance with the requirements of this section.

2. **Data Recovery.** The owner or operator [Saint-Gobain] shall recover valid hourly monitoring data for at least 95% of the hours that the equipment (required to be monitored) is operated during each calendar month except for periods of monitoring system downtime, provided that the owner or operator demonstrates that the downtime was not a result of inadequate design, operation, or maintenance, or any other reasonably preventable condition, and any necessary repairs to the monitoring system are conducted in a timely manner.

3. **Quality Assurance.** The owner or operator [Saint-Gobain] shall install a continuous emission monitoring system that meets the performance specification in 40 CFR Part 60, Appendix B in effect at the time of its installation, and shall operate this monitoring system in accordance with the quality assurance procedures in Appendix F of 40 CFR Part 60 in effect as of the federal regulation reference date listed in Section 3.25 of this regulation [Regulation I) herein incorporated by reference [7/1/06], and the U.S. Environmental Protection Agency's "Recommended Quality Assurance Procedures for Opacity Continuous Monitoring Systems" (EPA 340/1-86-010).

4. **Data Recording.** Monitoring data commencing on the clock hour and containing at least 45 minutes of monitoring data shall be reduced to 1-hour averages. Monitoring data for opacity shall also be reduced to 6-minute averages. All monitoring data shall be included in these averages except for data collected during calibration drift tests and cylinder gas audits, and for data collected subsequent to a failed quality assurance test or audit.

5. **Data Retention.** The owner or operator [Saint-Gobain] shall retain all monitoring data averages for at least 2 years, including copies of all reports submitted to the Agency and records of all repairs, adjustments, and maintenance performed on the monitoring system. All such data collected after October 1, 1998 shall be retained for at least 5 years.

6. **Relative Accuracy Tests.** All relative accuracy tests shall be subject to the provisions of Section 3.07 of this regulation [V.N.1].

[Regulation I, Section 12.03(a)-(e) and (g), 4/9/98; Regulation I, Section 12.03(a)-(e) and (g), 9/23/04 (*State only*)]

(i) Mold Swabbing Building Monitor Visual Opacity Monitoring

Saint-Gobain shall conduct inspections at least once per calendar quarter for opacity from the Mold Swabbing Building Monitors using Ecology Method 9A (Reference Test Method identified for EU 4.1 in Section I.B) and shall observe opacity for at least 20 minutes from each glass forming I.S. machine.

[WAC 173-401-615(1)(b), 10/17/02]

(j) Glass Furnace Visual Opacity Monitoring

Saint Gobain shall conduct inspections of Emission Unit #1 (EU-1), Glass Melting Furnaces No. 2, No. 3, No. 4, and No. 5, for visible emissions during scheduled quarterly source tests required by Sections II.A.2.(b) and (e). These inspections shall include conducting Ecology Method 9A (see Section X) on the emissions from each glass furnace stack (for at least 60 minutes) during the testing period on that furnace. Saint Gobain shall submit this information with the source test report. Observing opacity above the standard for EU-1, is a deviation of this permit and must be reported under Section V.M Compliance certification or V.Q Reporting of this permit. Failure to take corrective action in the event opacity observations for EU-1 are greater than the standard is also a deviation of this permit and reportable, as identified above.

[WAC 173-401-615(1)(b), 10/17/02; WAC 173-401-615(3)(b), 10/17/02]

(k) Fuel Oil Monitoring

Saint-Gobain shall obtain and keep records from the fuel oil supplier documenting that each purchase of diesel meets the requirements for ultra low sulfur diesel (<0.0015% or 15 ppm by weight sulfur) per AOP term EU 1. 23. Saint-Gobain shall keep records of the number of days that ultra low sulfur diesel is burned in glass furnaces 2-5 each calendar year per AOP termEU 1. 23.

[WAC 173-401-615(1)(b), 10/17/02]

(l) Cloud Chamber Scrubber Operations

Saint-Gobain shall continuously monitor and record (1-hour averages) the cloud chamber scrubber's recirculating water flow, makeup water flow, pH, and voltage whenever it's in operation.

Saint-Gobain shall monitor and record the following Glass Furnace No. 5 parameters on a daily basis: pull rate, color, electric boost, natural gas, bridge-wall temperature, type and quantity (i.e., percentage of batch) of fining agents, glass type and % cullet usage.

Saint-Gobain shall operate a continuous emission monitoring system for SO_2 at the inlet and outlet of the cloud chamber scrubber in accordance with the requirements of Section 12.03 of Regulation I, including 40 CFR Part 60, Appendix B (Performance Spec. 2) and Appendix F (Procedure 1) (see Section II.B.2(h) of this permit), for a period of no less than 24 months from the startup of the cloud chamber scrubber.

All particulate matter source test reports for Glass Furnace No. 5 shall include the calculated SO_2 emissions in pounds of SO_2 per ton of glass of glass produced, based on the SO_2 CEMS data and the stack parameters measured during the tests.

Saint-Gobain shall submit the hourly average scrubber monitoring data, daily furnace monitoring data, and the hourly CEMS monitoring data identified above to the Agency electronically along with the monthly SO_2 CEMS reports.

Saint-Gobain shall investigate the relationships between the SO_2 CEMS data and the furnace and cloud chamber scrubber operating parameter monitoring data collected. This investigation shall include an evaluation of 'if-and-how' the furnace operating parameters affect the scrubber inlet concentrations, and 'if-and-how' the scrubber operating parameters affected the outlet concentrations.

Saint-Gobain shall submit a report documenting the results of Condition 9 [of the Order of Approval] no later than 26 months from the date of startup of the cloud chamber scrubber.

[Puget Sound Clean Air Agency Order of Approval No. 9528, Conditions 4-10, 2/22/07

B. Operation and Maintenance (O&M) Plan Requirements.

Saint-Gobain's O&M Plan shall include procedures specifying how Saint-Gobain will assure continuous compliance with Puget Sound Clean Air Agency Regulations I, II and III. For insignificant emission units, refer to the requirements stated in Section II.A.1(d) Maintenance and Repair of Insignificant Emission Units of this permit. The Plan shall reflect good industrial practice. In most instances, following the manufacturer's operations manual or equipment operational schedule, minimizing emissions until the repairs can be completed and taking measures to prevent recurrence of the problem may be considered good industrial practice. Determination of whether good industrial practice is being used will be based on available information such as monitoring results, opacity observations, review of operations and maintenance procedures, and inspections of the emission unit or equipment. The specific provisions of the O&M Plan, other than those required by Section II.A, shall not be deemed part of this permit.

[Puget Sound Clean Air Agency Regulation I, Section 7.09(b), 9/10/98]

III. PROHIBITED ACTIVITIES

Saint-Gobain is prohibited from conducting, causing, or allowing the following activities:

A. Adjustment for Atmospheric Conditions

Varying the rate of emissions of a pollutant according to atmospheric conditions or ambient concentrations of that pollutant is prohibited, except as directed according to air pollution episode regulations. [WAC 173-400-205, 3/22/91]

B. Open Burning

Saint-Gobain shall not conduct open burning during any stage of an air pollution episode or period of impaired air quality and shall not conduct any open burning other than the following types:

1. Fires consisting solely of charcoal, propane, natural gas, or wood used solely for the preparation of food that comply with WAC 173-425-020(1) and WAC 173-425-030(21) and

2. Fires for instruction in the methods of fighting fires, provided that the person conducting the training fire complies with Puget Sound Clean Air Agency Regulation I, Section 8.07.

[Puget Sound Clean Air Agency Regulation I, Sections 8.04(a), 11/09/2000 and 8.07, 9/09/1999] [WAC 173-425-020(1), 3/13/2000; WAC 173-425-030(21), 3/13/2000; RCW 70.94.743, 1998 c68 p1 and RCW 70.94.775(2), 1995 c362 p2 State only]

C. Refuse Burning

Saint-Gobain shall not cause or allow the burning of combustible refuse except in a multiple chamber incinerator provided with control equipment. Saint-Gobain shall not operate refuse burning equipment any time other than daylight hours. [Puget Sound Clean Air Agency Regulation I, Section 9.05, 12/9/93]

D. Concealment

Saint-Gobain shall not cause or allow the installation or use of any device or use of any means which, without resulting in a reduction in the total amount of air contaminant emitted, conceals an emission of an air contaminant which would otherwise violate Puget Sound Clean Air Agency Regulation I, Article 9 or Chapter 173-400 WAC. [WAC 173-400-040(7), 8/20/93] [Puget Sound Clean Air Agency Regulation I, Section 9.13(a), 6/9/88; WAC 173-400-040(7), 2/10/05 (State Only)]

E. Masking

Saint-Gobain shall not cause or allow the installation or use of any device or use of any means designed to mask the emission of an air contaminant that causes detriment to health, safety or welfare of any person or conceals or masks an emission of an air contaminant that would otherwise violate Regulation I, Article 9 or Chapter 173-400 WAC. [WAC 173-400-040(7),

8/20/93] [Puget Sound Clean Air Agency Regulation I, Section 9.13(b), 6/9/88; and WAC 173-400-040(7), 2/10/05(State Only)]

F. Tampering

Saint-Gobain shall not render inaccurate any monitoring device or method required under Chapter 70.94 RCW, or any ordinance, resolution, regulation, permit, or order in force pursuant thereto. [WAC 173-400-105(8), 8/21/98]

G. False Statements

Saint-Gobain shall not make any false material statement, representation or certification in any form, notice, or report required under Chapter 70.94 RCW, or any ordinance, resolution, regulation, permit, or order in force pursuant thereto. [WAC 173-400-105(7), 8/21/98]

IV. ACTIVITIES REQUIRING ADDITIONAL APPROVAL

Saint-Gobain shall file notification and obtain the necessary approval from Puget Sound Clean Air Agency before conducting any of the following:

A. New Source Review

Saint-Gobain shall not construct, install, establish, or modify an air contaminant source, except those sources that are excluded by Puget Sound Clean Air Agency Regulation I, Section 6.03(b), unless a "Notice of Construction and Application for Approval" has been filed with and approved by Puget Sound Clean Air Agency. [Puget Sound Clean Air Agency Regulation I, Section 6.03, 9/12/96], [Puget Sound Clean Air Agency Regulation I, Section 6.01, 3/26/06; Puget Sound Clean Air Agency Regulation I, Section 6.03, 10/26/06; WAC 173-460-040, 1/14/94; RCW 70.94.152, 1996 c 67 §1, 1996 c 29p1 State/Puget Sound Clean Air Agency only]

B. Replacement or Substantial Alteration of Emission Control Technology

Saint-Gobain shall file a Notice of Construction and Application for Approval according to WAC 173-400-114 with Puget Sound Clean Air Agency before replacing or substantially altering any emission control technology installed at the facility. [Puget Sound Clean Air Agency Regulation I, Section 6.03, 11/19/92] [Puget Sound Clean Air Agency Regulation I, Section 6.01, 3/26/06; Puget Sound Clean Air Agency Regulation I, Section 6.03, 10/26/06; WAC 173-400-114, 9/20/93; RCW 70.94.153, 1991 c 199 §303 State/Puget Sound Clean Air Agency only]

C. Asbestos

1. Saint-Gobain shall comply with 40 CFR 61.145 and 61.150 when conducting renovation or demolition activities at the facility. [40 CFR 61.145, 4/7/1993 and 61.150, 1/16/1991]
2. Saint-Gobain shall comply with Puget Sound Clean Air Agency Regulation III, Article 4 when conducting any asbestos project, renovation, or demolition activities at the facility. [Puget Sound Clean Air Agency Regulation III, Article 4, 8/1/06]

D. Spray Coating

(a) Applicability. This section applies to spray-coating operations at facilities subject to Article 5 (Registration) or Article 7 (Operating Permits) of this regulation, where a coating that protects or beautifies a surface is applied with spray-coating equipment.

(b) Exemptions. The following activities are exempt from the provisions of Sections 9.16(c) and (d) of this regulation. Persons claiming any of the following spray-coating exemptions shall have the burden of demonstrating compliance with the claimed exemption.

(1) Application of architectural or maintenance coatings to stationary structures (e.g., bridges, water towers, buildings, stationary machinery, or similar structures);

(2) Aerospace coating operations subject to 40 CFR Part 63, Subpart GG. This includes all activities and materials listed in 40 CFR 63.741(f);

(3) Use of high-volume, low-pressure (HVLP) spray guns when:

(A) spray-coating operations do not involve motor vehicles or motor vehicle components;

(B) the gun cup capacity is 8 fluid ounces or less;

(C) the spray gun is used to spray-coat less than 9 square feet per day per facility;

(D) coatings are purchased in containers of 1 quart or less; and

(E) spray-coating is allowed by fire department, fire marshal, or other government agency requirements.

(4) Use of air-brush spray equipment with 0.5 to 2.0 CFM airflow and a maximum cup capacity of 2 fluid ounces;

(5) Use of hand-held aerosol spray cans with a capacity of 1 quart or less; or

(6) Indoor application of automotive undercoating materials using organic solvents having a flash point in excess of 100°F.

(c) General Requirements for Indoor Spray-Coating Operations. It shall be unlawful for any person subject to the provisions of this section to cause or allow spray-coating inside a structure, or spray-coating of any motor vehicles or motor vehicle components, unless the spray-coating is conducted inside an enclosed spray area. The enclosed spray area shall employ either properly seated paint arresters, or water-wash curtains with a continuous water curtain to control the overspray. All emissions from the spray-coating operation shall be vented to the atmosphere through an unobstructed vertical exhaust vent.

(d) General Requirements for Outdoor Spray-Coating Operations. It shall be unlawful for any person subject to the provisions of this section to cause or allow spray-coating outside an enclosed structure unless reasonable precautions are employed to minimize the overspray. Reasonable precautions include, but are not limited to the use of:

(1) Enclosures and curtailment during high winds; and

(2) High-volume low-pressure (HVLP), low-volume low-pressure (LVLP), electrostatic, or air-assisted airless spray equipment. Airless spray equipment may be used where low viscosity and high solid coatings preclude the use of higher-transfer efficiency spray equipment.

(e) Compliance with Other Regulations. Compliance with this regulation does not exempt any person from compliance with Regulation I, Section 9.11 and all other applicable regulations including those of other agencies.

[Puget Sound Clean Air Agency Regulation I, Section 9.16, 7/12/01]

V. STANDARD TERMS AND CONDITIONS

A. Duty to comply

Saint-Gobain shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of Chapter 70.94 RCW and, for federally enforceable provisions, a violation of the Federal Clean Air Act (FCAA). Such violations are grounds for enforcement action; for permit termination, revocation and re-issuance, or modification; or for denial of a permit renewal application. [Puget Sound Clean Air Agency Regulation I, Section 7.05, 10/28/93, WAC 173-401-620(2)(a), 11/4/93]

B. Permit actions

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by Saint-Gobain for a permit modification, revocation and re-issuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [WAC 173-401-620(2)(c), 11/4/93]

C. Property rights

This permit does not convey any property rights of any sort, or any exclusive privilege. [WAC 173-401-620(2)(d), 11/4/93]

D. Duty to provide information

Saint-Gobain shall furnish to the Puget Sound Clean Air Agency, within a reasonable time, any information that the Puget Sound Clean Air Agency may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, Saint-Gobain shall also furnish to the Puget Sound Clean Air Agency copies of records required to be kept by the permit or, for information claimed to be confidential, Saint-Gobain may furnish such records directly to EPA Region 10 along with a claim of confidentiality. The Puget Sound Clean Air Agency shall maintain the confidentiality of such information in accordance with RCW 70.94.205. [WAC 173-401-620(2)(e), 11/4/93]

E. Permit fees

Saint-Gobain shall pay fees as a condition of this permit in accordance with the Puget Sound Clean Air Agency Regulation I, Article 7. Failure to pay fees in a timely fashion shall subject Saint-Gobain to civil and criminal penalties as prescribed in Chapter 70.94 RCW. [WAC 173-401-620(2)(f), 11/4/93]

F. Emissions trading

No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit. [WAC 173-401-620(2)(g), 11/4/93]

G. Severability

If any provision of this permit is held to be invalid, all unaffected provisions of the permit shall remain in effect and be enforceable. [WAC 173-401-620(2)(h), 11/4/93]

H. Permit appeals

This permit or any condition in it may be appealed only by filing an appeal with the Pollution Control Hearings Board and serving it on the Puget Sound Clean Air Agency within thirty days of receipt, pursuant to RCW 43.21B.310 and WAC 173-401-735. The provision for appeal in this section is separate from and additional to any federal rights to petition and review found under §505(b) of the FCAA. [WAC 173-401-620(2)(i), 11/4/93; WAC 173-401-735, 5/3/97]

I. Permit continuation

This permit and all terms and conditions contained therein, including any permit shield provided under WAC 173-401-640, shall not expire until the renewal permit has been issued or denied if a timely and complete application has been submitted. An application shield granted under WAC 173-401-705(2) shall remain in effect until the renewal permit has been issued or denied if a timely and complete permit application has been submitted. [WAC 173-401-620(2)(j), 11/4/93]

J. Federal enforceability

All terms and conditions of this permit are enforceable by the EPA administrator and by citizens under the FCAA, except for those terms and conditions designated in the permit as not federally enforceable. [WAC 173-401-625, 11/4/93]

K. Inspection and entry

Upon presentation of credentials and other documents as may be required by law, Saint-Gobain shall allow the Puget Sound Clean Air Agency or an authorized representative to:

1. Enter Saint-Gobain's premises or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices or operations regulated or required under the permit; and

4. As authorized by WAC 173-400-105 and the FCAA, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

[WAC 173-401-630(2) 11/4/93; Puget Sound Clean Air Agency Regulation I, Section 3.05, 2/10/94] [RCW 70.94.200 1987 c109 §38 (State only]

L. Compliance requirements

1. Saint-Gobain shall continue to comply with all applicable requirements with which the source is currently in compliance. Saint-Gobain shall meet on a timely basis any applicable requirements that become effective during the permit term. [WAC 173-401-630(3), WAC 173-401-510(2)(h)(iii) 6/17/94]
2. For the applicable requirements with which Saint-Gobain is not currently in compliance, Saint-Gobain shall comply with the elements of the compliance schedule established pursuant to WAC 173-401-630(3), as attached to this permit as an appendix (Section X of this permit).

M. Compliance certifications

Saint-Gobain shall submit a certification of compliance with permit terms and conditions once per year. The first such certification shall cover a one-year period commencing upon the date of issuance of this permit. Each certification shall include:

1. The identification of each term or condition of the permit that is the basis of the certification;
2. The compliance status;
3. Whether compliance was continuous or intermittent; and
4. The method(s) used for determining the compliance status of the source, currently and over the reporting period. These methods must be consistent with the permit Monitoring, Maintenance and Recordkeeping Methods.

All compliance certifications shall be submitted to EPA Region 10 and to Puget Sound Clean Air Agency, at the following addresses, within 30 days after the close of the period covered by the certification:

Puget Sound Clean Air Agency
Attn.: Operating Permit Certification
1904 Third Avenue, Suite 105
Seattle, Washington 98101

EPA Region 10, Mail Stop OAQ-107
Attn.: Air Operating Permits
1200 Sixth Avenue
Seattle, Washington 98101

[WAC 173-401-630(5), 11/4/93]

N. Compliance determination

1. General Emission Testing

i) For the purpose of determining compliance with an emission standard, Puget Sound Clean Air Agency or Ecology may conduct testing of an emission unit or require Saint-Gobain to have it tested. In the event Puget Sound Clean Air Agency or Ecology conducts the test, Saint-Gobain shall be given an opportunity to observe the sampling and to obtain a sample at the same time. [Puget Sound Clean Air Agency Regulation I, Section 3.05(b), 2/10/94; WAC 173-400-105(4), 8/20/93][WAC 173-400-105(4), 2/10/05 (State only]

ii) Testing of sources for compliance with emissions standards shall be performed in accordance with the Reference Test Methods identified in Section I of this permit, except where this permit indicates that a specific Reference Test Method is not needed or appropriate. [Puget Sound Clean Air Agency Regulation I, Section 3.07(a), 3/23/06 (State only)]

iii) Saint-Gobain shall notify Puget Sound Clean Air Agency in writing at least 21 days prior to any compliance test. Notification of a compliance test shall be submitted on forms provided by the Agency. Test notifications using the Agency forms do not constitute test plans. Compliance with this notification provision does not satisfy any obligation found in an order or other regulatory requirement to submit a test plan for Agency review. Notification under Section 3.07(b) of this regulation does not waive or modify test notification requirements found in other applicable regulations.[Puget Sound Clean Air Agency Regulation I, Section 3.07(b), 3/23/06(State only)]

iv) Unless otherwise specified, each test for pollutants other than opacity shall consist of three separate runs (each at least 60 minutes in duration) and compliance shall be determined from the arithmetic average of the three runs. In the event that a sample is accidentally lost or conditions occur in which one of the runs must be discontinued because of circumstances beyond the operator's control, compliance may, upon the Puget Sound Clean Air Agency approval, be determined from the arithmetic average of the two other runs. [Puget Sound Clean Air Agency Regulation I, Section 3.07(a), 3/23/06(State only)]

v) If required by Puget Sound Clean Air Agency to perform a compliance test, Saint-Gobain, shall submit a report to Puget Sound Clean Air Agency no later than 60 days after the test. The report shall include:

(a) A description of the source and the sampling location;

(b) The time and date of the test;

(c) A summary of results, reported in units and for averaging periods consistent with the applicable emission standard;

(d) A description of the test methods and quality assurance procedures employed;

(e) The amount of fuel burned and raw material processed by the source during the test;

(f) The operating parameters of the source and control equipment during the test;

(g) Field data and example calculations; and

(h) A statement signed by the senior management official of the testing firm certifying the validity of the source test report.

[Puget Sound Clean Air Agency Regulation I, Section 3.07(c), 3/23/06 (State only)]

2. Credible Evidence

For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of this permit, nothing shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed. [Puget Sound Clean Air Agency Regulation I, Section 3.06 10/08/98; 40 CFR 51.212(c), 2/24/97; 40 CFR 52.12, 2/24/97; 40 CFR 52.33, 2/24/97]

O. Recordkeeping

Saint-Gobain shall maintain the following:

(1) Records of required monitoring information that include the following if applicable:

i) The date, place as defined in the permit, and time of sampling or measurements;

ii) The date(s) analyses were performed;

iii) The company or entity that performed the analyses;

iv) The analytical techniques or methods used;

v) The results of such analyses; and

vi) The operating conditions existing at the time of sampling or measurement.

[WAC 173-401-615(2), 10/17/02]

(2) Records describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes. [WAC 173-401-615(2), 10/17/02]

(3) Records of all monitoring data and support information required by this permit shall be retained by Saint-Gobain for a period of five years from the date of the monitoring, sample, measurement, record or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. [WAC 173-401-615(2), 10/17/02]

(4) Saint-Gobain shall document all inspections, tests and other actions required by the O&M Plan and Section II.A of this permit, including who conducted the inspection, tests or other actions; and the date and the results of the inspection, tests or other actions including corrective actions. All such records shall be signed and dated. Saint-Gobain shall maintain records of all inspections, tests, and other actions required by the O&M Plan on site and available for Puget Sound

Clean Air Agency review. [Puget Sound Clean Air Agency Regulation I, Section 7.09(b), 9/10/98]

(5) Records for all complaints received concerning odor, fugitive emissions or nuisance relating to Section II of this permit must also contain the following information:

i) The date and time of the complaint,

ii) The name of the person complaining, if known,

iii) The nature of the complaint, and

iv) The date, time, and nature of any corrective action taken.

[WAC 173-401-615(2)(b), 10/17/02]

P. Data recovery

1. General

The specific monitoring and recordkeeping requirements identified in Section II of this permit have many data recovery requirements. However, if such requirements are silent on data recovery provisions, data recovery is assumed to be 100%. [WAC 173-401-615(1)(b), 10/17/02]

2. CEMS Data

Saint-Gobain shall comply with the CEMS data requirements identified in Section II.A.2(h) above of this permit. [Regulation I, Section 12.03(b), 4/9/98] [Regulation I, Section 12.03 (b), 9/23/04 (State only)]

Q. Reporting

1. General Reporting

(1) Any monitoring reports required by this permit to be submitted to Puget Sound Clean Air Agency shall be submitted at least once every six months, or more frequently where required by an applicable requirement, and received at Puget Sound Clean Air Agency or postmarked no later than 30 days after the end of the six-month reporting period. The six-month reporting periods shall follow a calendar schedule (January-June and July-December). All instances of deviations from permit requirements must be clearly identified in such reports. If there were no instances of deviations, the report must state that there were no instances of deviations. All required reports must be certified by a responsible official consistent with WAC 173-401-520. Where an applicable requirement requires reporting more frequently than once every six months, the responsible official's certification needs to only be submitted once every six months, covering all required reporting since the date of the last certification, provided that the

certification specifically identifies all documents subject to the certification. [WAC 173-401-615(3)(a), 10/17/02]

(2) Saint-Gobain shall report in writing to Puget Sound Clean Air Agency Operating Permit Certification all instances of deviations from the permit requirements, including those attributable to upset conditions as defined in this permit, the probable cause of the deviations, and any corrective actions or preventive measures taken. "Deviation" means any situation in which an emission unit fails to meet a permit term or condition. Saint-Gobain shall maintain a contemporaneous record of all deviations. Saint-Gobain shall report any deviations to Puget Sound Clean Air Agency Operating Permit Certification that represent a potential threat to human health or safety by FAX (206-343-7522) as soon as possible but no later than 12 hours after such a deviation is discovered. Saint-Gobain shall report other deviations in writing to Puget Sound Clean Air Agency Operating Permit Certification no later than 30 days after the end of the month during which the deviation is discovered. [WAC 173-401-615(3)(b), 10/17/02]

(3) Any application form, report, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification and any other certification required under this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. [WAC 173-401-520, 11/4/93]

2. CEMS Reporting

Saint-Gobain shall submit a monthly report to Puget Sound Clean Air Agency Operating Permit Certification within 30 days after the end of the month in which the Opacity CEM data were recorded. This report shall include:

(1) The date, time period, magnitude (in the units of the standard) and cause of each emission that exceeded an applicable emission standard;

(2) The date and time of all actions taken to correct the problem, including any actions taken to minimize the emissions during the exceedance and any actions taken to prevent its recurrence;

(3) The number of hours that the equipment (required to be monitored) operated each month and the number of valid hours of monitoring data that the monitoring system recovered each month;

(4) The date, time period, and cause of each failure to meet the data recovery requirements of Regulation I, Section 12.03(b), V.P.2 CEMS Data, and any actions taken to ensure adequate collection of such data;

(5) The date, time period, and cause of each failure to recover valid hourly monitoring data for at least 90% of the hours that the equipment (required to be monitored) was operated each day;

(6) The results of audits conducted during the month; and

(7) A certification of truth, accuracy, and completeness signed by an authorized representative of the owner or operator.

Summary reports and excess emission reports shall be submitted semiannually in accordance with the report information and format requirements identified in 40 CFR 60.7. If a reporting period has excess emission for 1 percent or greater of the total operating time (or has opacity monitoring downtime of 5 percent or greater of the total operating time), both the summary report form and excess emission report described in 40 CFR 60.7(c) shall be submitted. Otherwise, the summary report form alone shall be submitted. For Glass Furnaces No. 2, 3, and 5, Saint Gobain shall report as excess emissions all of the 6-minute periods during which the average opacity exceeds the corresponding 99 percent upper confidence level determined above. Reports of excess emissions generated under this provision shall be sent to both the Puget Sound Clean Air Agency and EPA Region 10.

[Regulation I, Section 12.03(f), 4/9/98; 40 CFR 60.7(c) and (d), 2/12/99); 40 CFR 60.293(c)(5), 10/17/00] [Regulation I, Section 12.03(f), 9/23/04 (State only)]

3. Fuel Oil Firing

Saint Gobain shall notify Puget Sound Clean Air Agency in writing, within 24 hours, whenever ultra-low sulfur diesel is substituted for natural gas in Glass Melting Furnaces No. 2, No. 3, No. 4, or No. 5, during a calendar year.

[Puget Sound Clean Air Agency Order of Approval No. 9901, Condition 4, 1/5/10]

R. Emission reporting

Saint-Gobain shall report annually to the Puget Sound Clean Air Agency for those air contaminants during the previous calendar year that equal or exceed the following (tons per year):

Carbon monoxide (CO) emissions	25
Facility combined total of all toxic air contaminants (TAC) emissions	6
Any single toxic air contaminant (TAC) emissions	2
Nitrogen oxide (NOx) emissions	25
Particulate matter (PM10) emissions	25
Particulate matter (PM2.5) emissions	25
Sulfur oxide (SOx) emissions	25
Volatile organic compounds (VOC) emissions	25

Annual emissions rates shall be reported to the nearest whole ton per year for only those contaminants that equal or exceed the thresholds above. Saint-Gobain shall submit to the Puget Sound Clean Air Agency any additional information required by WAC 173-400-105(1) or Puget Sound Clean Air Agency Regulation III, Section 1.11. [Puget Sound Clean Air Agency Regulation I, Section 7.09(a), 9/10/98]

S. Emergencies

An emergency, as defined in WAC 173-401-645(l), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the conditions of WAC 173-401-645(3) are met.

The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

1. An emergency occurred and that Saint-Gobain can identify the cause(s) of the emergency;
2. The permitted facility was at the time being properly operated;

3. During the period of the emergency Saint-Gobain took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in the permit; and
4. Saint-Gobain submitted notice of the emergency to the Puget Sound Clean Air Agency within two (2) working days of the time when the emissions limitations were exceeded due to the emergency or shorter periods of time specified in an applicable requirement. This notice fulfills the requirement of WAC 173-401-615(3)(b) unless the excess emissions represent a potential threat to human health or safety. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

In any enforcement proceeding, Saint-Gobain has the burden of proof to establish the occurrence of an emergency. This provision is in addition to any emergency or upset provision contained in any applicable requirement. [WAC 173-401-645, 11/4/93]

T. Unavoidable excess emissions

Excess emissions due to startup or shutdown conditions, scheduled maintenance or upsets that are determined to be unavoidable under the procedures and criteria in WAC 173-400-107 shall be excused and not subject to penalty. For any excess emission that Saint-Gobain wants the Puget Sound Clean Air Agency to consider unavoidable and excusable under WAC 173-400-107, Saint-Gobain shall submit the information required under WAC 173-400-107. [WAC 173-400-107, 9/20/93]

U. Need to halt or reduce activity not a defense

It shall not be a defense for Saint-Gobain in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [WAC 173-401-620(2)(b), 11/4/93]

V. Stratospheric ozone and climate protection

1. Saint-Gobain shall comply with the following standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
   i) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
   ii) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
   iii) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

2. Saint-Gobain may switch from any ozone-depleting substance to any alternative approved pursuant to the Significant New Alternatives Program (SNAP), 40 CFR Part 82, Subpart G, without a permit revision but shall not switch to a substitute listed as unacceptable pursuant to such program. [40 CFR 82.174]
3. Any certified technician employed by Saint-Gobain shall keep a copy of their certification at their place of employment. [40 CFR 82.166(1)]
4. Saint-Gobain shall not willfully release any regulated refrigerant and shall use refrigerant extraction equipment to recover regulated refrigerant when servicing, repairing or disposing of commercial air conditioning, heating, or refrigeration systems. [RCW 70.94.970(2) and (4), 11/12/97 State/Puget Sound Clean Air Agency only]

[40 CFR 82.156, 5/11/04; 40 CFR 82.158, 9/18/03; 40 CFR 82.161, 3/12/04]

5. Saint-Gobain shall not sell, offer for sale, or purchase any of the following:

   a) A regulated refrigerant in a container designed for consumer recharge of a motor vehicle air conditioning system or consumer appliance during repair or service. This subsection does not apply to a regulated refrigerant purchased for the recharge of the air conditioning system of off-road commercial or agricultural equipment and sold or offered for sale at an establishment which specializes in the sale of off-road commercial or agricultural equipment or parts or service for such equipment;

   b) Nonessential consumer products that contain chlorofluorocarbons or other ozone-depleting chemicals, and for which substitutes are readily available. Products affected under this subsection shall include, but are not limited to, party streamers, tire inflators, air horns, noise makers, and chlorofluorocarbon-containing cleaning sprays designed for noncommercial or non-industrial cleaning of electronic or photographic equipment.

[RCW 70.94.980, 1991 c 199 § 603]

W. RACT satisfied

Emission standards and other requirements contained in rules or regulatory orders in effect at the time of this permit issuance shall be considered RACT for the purposes of issuing this permit. [WAC 173-401-605(3), 11/4/93] [RCW70.94.154(6), 1996 c 29 § 2; 1993 c 252 § 8 State Only]

X. Risk management programs

In accordance with 40 CFR Part 68, if Saint-Gobain has or receives more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, Saint-Gobain shall comply with the requirements of the Chemical Accident Prevention Provisions of 40 CFR Part 68 no later than the following dates:

Three years after the date on which a regulated substance is first listed under 40 CFR 68.130; or

The date on which a regulated substance is first present above a threshold quantity in a process.

[40 CFR 68.10, 1/6/99)

Y. Definitions

Unless otherwise defined in this permit, the terms used in this permit shall have the same meaning ascribed to them in the referenced regulation. [WAC 173-401-200, 11/4/93]

Z. Duty to supplement or correct application

Upon becoming aware that it has failed to submit any relevant facts in a permit application or that it has submitted incorrect information in a permit application, Saint-Gobain shall promptly submit such supplementary facts or corrected information to the Puget Sound Clean Air Agency. [WAC 173-401-500(6), 10/17/02]

AA. Insignificant emission units and activities

1. Insignificant emission units and activities at Saint-Gobain are subject to all applicable requirements set forth in Sections I.A,, II.A.1, III, and IV. This permit shall not require testing, monitoring, reporting, or recordkeeping for insignificant emission units or activities, except as required by Sections II.A.1 of this permit. For insignificant emission units, the testing, monitoring, reporting, or recordkeeping requirements identified are applicable once a potential air operating permit deviation issue is initially observed and continue to be applicable until the potential deviation issue is resolved. [WAC 173-401-530(2)(c), 10/17/02]
2. Where this permit does not require testing, monitoring, recordkeeping and reporting for insignificant emissions units or activities, Saint-Gobain may certify continuous compliance if there were no observed, documented, or known instances of noncompliance during the reporting period. Where this permit requires testing, monitoring, recordkeeping and reporting for insignificant emission units or activities, Saint-Gobain may certify continuous compliance when the testing, monitoring, recordkeeping required by the permit revealed no violations during the period, and there were no observed, documented, or known instances of noncompliance during the reporting period. [WAC 173-401-530(2)(d), 10/17/02]
3. An emission unit or activity that qualifies as insignificant solely on the basis of WAC 173-401-530(1)(a) shall not exceed the emission thresholds specified in WAC 173-401-530(4) until this permit is modified pursuant to Section VI.E of this permit and WAC 173-401-725. [WAC 173-401-530(6), 10/17/02]

VI. PERMIT ACTIONS

A. Permit Renewal, Revocation and Expiration

1) **Renewal application**. Saint-Gobain shall submit a complete permit renewal application to the Puget Sound Clean Air Agency no later than 12 months prior to the expiration of this permit. Puget Sound Clean Air Agency will send Saint-Gobain a renewal application no later than 18 months prior to the expiration of this permit. Failure of the Puget Sound Clean Air Agency to send Saint-Gobain a renewal application shall not relieve Saint-Gobain from the obligation to file a timely and complete renewal application. [WAC 173-401-710(1), WAC 173-401-500(2), 10/17/02]

2) **Expired permits**. Permit expiration terminates Saint-Gobain's right to operate unless a timely and complete renewal application has been submitted consistent with WAC 173-401-710(1) and WAC 173-401-500. All terms and conditions of the permit shall remain in effect after this permit expires if a timely and complete permit application has been submitted. [WAC 173-401-710(3), 10/17/02]

3) **Revocation of permits**. Puget Sound Clean Air Agency may revoke a permit only upon the request of Saint-Gobain or for cause. Puget Sound Clean Air Agency shall provide at least thirty days written notice to Saint-Gobain prior to revocation of the permit or denial of a permit renewal application. Such notice shall include an explanation of the basis for the proposed action and afford Saint-Gobain an opportunity to meet with the Puget Sound Clean Air Agency prior to the Puget Sound Clean Air Agency's final decision. A revocation issued under this condition may be issued conditionally with a future effective date and may specify that the revocation will not take effect if Saint-Gobain satisfies the specified conditions before the effective date. Nothing in this subsection shall limit the Puget Sound Clean Air Agency's authority to issue emergency orders. [WAC 173-401-710(4), 10/17/02]

B. Administrative Permit Amendments

1) **Definition.** An "administrative permit amendment" is a permit revision that:
   a) Corrects typographical errors;
   b) Identifies a change in the name, address, or phone number of any person identified in the permit, or provides a similar minor administrative change at Saint-Gobain;
   c) Requires more frequent monitoring or reporting by Saint-Gobain;
   d) Allows for a change in ownership or operational control of a source where the Puget Sound Clean Air Agency determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage, and liability between the current and new permittee has been submitted to the Puget Sound Clean Air Agency;

e) Incorporates into the permit the terms, conditions, and provisions from orders approving notice of construction applications processed under an EPA-approved program, provided that such a program meets procedural requirements substantially equivalent to the requirements of WAC 173-401-700, 173-401-725, and 173-401-800 that would be applicable to the change if it were subject to review as a permit modification, and compliance requirements substantially equivalent to those contained in WAC 173-401-600 through 173-401-650. [WAC 173-401-720(1), 11/4/93]

2) **Administrative permit amendment procedures**. An administrative permit amendment may be made by the Puget Sound Clean Air Agency consistent with the following:

a) Puget Sound Clean Air Agency shall take no more than sixty days from receipt of a request for an administrative permit amendment to take final action on such request, and may incorporate such changes without providing notice to the public or affected states provided that it designates any such permit revisions as having been made pursuant to this paragraph.

b) Puget Sound Clean Air Agency shall submit a copy of the revised permit to EPA.

c) Saint-Gobain may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. [WAC 173-401-720(3), 11/4/93]

3) **Permit shield**. Puget Sound Clean Air Agency shall, upon taking final action granting a request for an administrative permit amendment, allow coverage by the permit shield in WAC 173-401-640 for administrative permit amendments made pursuant to Part (1)(e) of this condition. [WAC 173-401-720(4), 11/4/93]

C. Changes not Requiring Permit Revisions

1) **General**.

a) Saint-Gobain is authorized to make the changes described in this section without a permit revision, providing the following conditions are met:

i) The proposed changes are not Title I modifications as defined in WAC 173-401-200(35);

ii) The proposed changes do not result in emissions which exceed those allowable under the permit, whether expressed as a rate of emissions, or in total emissions;

iii) The proposed changes do not alter permit terms that are necessary to enforce limitations on emissions from units covered by the permit; and

iv) Saint-Gobain provides EPA and the Puget Sound Clean Air Agency with written notification at least seven days prior to making the proposed changes except that written notification of a change made in response to an emergency shall be provided as soon as possible after the event.

b) Permit attachments. Saint-Gobain and the Puget Sound Clean Air Agency shall attach each notice to their copy of the relevant permit.

2) **Section 502 (b)(10) changes**. Pursuant to the conditions in Subsection (1) of this section, Saint-Gobain is authorized to make Section 502(b)(10) changes (as defined in WAC 173-401-200(30)) without a permit revision.

   a) For each such change, the written notification required under Subsection (1)(a)(iv) of this condition shall include a brief description of the change within the permitted facility, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

   b) The permit shield authorized under WAC 173-401-640 shall not apply to any change made pursuant to this paragraph.

3) **SIP authorized emissions trading.** Pursuant to the conditions in Subsection (1) of this condition, Saint-Gobain is authorized to trade increases and decreases in emissions in the permitted facility, where the Washington state implementation plan provides for such emissions trades without requiring a permit revision. This provision is available in those cases where the permit does not already provide for such emissions trading.

   a) Under this Subsection (3), the written notification required under Subsection (1)(a)(iv) of this condition shall include such information as may be required by the provision in the Washington state implementation plan authorizing the emissions trade, including at a minimum, when the proposed change will occur, a description of each such change, any change in emissions, the permit requirements with which Saint-Gobain will comply using the emissions trading provisions of the Washington state implementation plan, and the pollutants emitted subject to the emissions trade. The notice shall also refer to the provisions with which Saint-Gobain will comply in the applicable implementation plan and that provide for the emissions trade.

   b) The permit shield described in WAC 173-401-640 shall not extend to any change made under this paragraph. Compliance with the permit requirements that Saint-Gobain will meet using the emissions trade shall be determined according to requirements of the applicable implementation plan authorizing the emissions trade.

[WAC 173-401-722, 10/17/02]

D. Off Permit Changes

1) Saint-Gobain shall be allowed to make changes not specifically addressed or prohibited by the permit terms and conditions without requiring a permit revision, provided that the proposed changes do not weaken the enforceability of existing permit conditions. Any change that is a Title I modification or is a change subject to the acid rain requirements under Title IV of the FCAA must be submitted as a permit revision.

2) Each such change shall meet all applicable requirements and shall not violate any existing permit term or condition.

3) Saint-Gobain must provide contemporaneous written notice to the Puget Sound Clean Air Agency and EPA of each such change, except for changes that qualify as insignificant under WAC 173-401-530. Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.

4) The change shall not qualify for the permit shield under WAC 173-401-640.

5) Saint-Gobain shall keep a record describing changes made at Saint-Gobain that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

6) When making a change under this section, Saint-Gobain shall comply with applicable preconstruction review requirements established pursuant to RCW 70.94.152 and Puget Sound Clean Air Agency Regulation I, Article 6. [WAC 173-401-724, 11/4/93]

E. Permit Modification

1) **Definition**. A permit modification is any revision to this permit that cannot be accomplished under provisions for administrative permit amendments under WAC 173-401-720.

2) **Procedures**. Minor permit modification procedures.

a) Criteria.

i) Minor permit modification procedures shall be used for those permit modifications that:

a) Do not violate any applicable requirement;

b) Do not involve significant changes to existing monitoring, reporting, or recordkeeping requirements in the permit;

c) Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;

d) Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that Saint-Gobain has assumed to avoid an applicable requirement to which Saint-Gobain would otherwise be subject. Such terms and conditions include:

(1) A federally enforceable emissions cap assumed to avoid classification as a modification under any provision of Title I of the FCAA; and

(2) An alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the FCAA;

e) Are not modifications under any provision of Title I of the FCAA;

ii) Notwithstanding (a)(i) of this subsection, and Subsection (3) of this section, the Puget Sound Clean Air Agency may allow the use of minor permit modification procedures for permit modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches, to the extent that the use of such minor permit modification procedures is explicitly provided for in the Washington state implementation plan or in applicable requirements promulgated by EPA and in effect on April 7, 1993.

b) Application. An application requesting the use of minor permit modification procedures shall meet the requirements of WAC 173-401-510 and shall include the following:

i) A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;

ii) Saint-Gobain's suggested draft permit;

iii) Certification by a responsible official, consistent with WAC 173-401-520, of the truth, accuracy, and completeness of the application and that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and

iv) Completed forms for the Puget Sound Clean Air Agency to use to notify EPA and affected states as required under WAC 173-401-810 and 173-401-820.

c) Saint-Gobain's ability to make change. Saint-Gobain may make the change proposed in its minor permit modification application immediately after it files such application provided that those changes requiring the submissions of a notice of construction application have been reviewed and approved by the Puget Sound Clean Air Agency. fter Saint-Gobain makes the change allowed by the preceding sentence, and until the Puget Sound Clean Air Agency takes any of the actions specified in WAC 173-401-725(d), Saint-Gobain must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time period, Saint-Gobain need not comply with the existing permit terms and conditions it seeks to modify. However, if Saint-Gobain fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against it.

d) Permit shield. The permit shield under WAC 173-401-640 shall not extend to minor permit modifications.

3) **Group processing of minor permit modifications.** Consistent with WAC 173-401-725(3), the Puget Sound Clean Air Agency may process groups of a source's applications for certain modifications eligible for minor permit modification processing.

4) **Significant modification procedures**.

a) Criteria. Significant modification procedures shall be used for applications requesting permit modifications that do not qualify as minor permit modifications or as administrative permit amendments. Every significant change in existing monitoring permit terms or conditions and every relaxation of reporting or recordkeeping permit terms or conditions shall be considered significant. Nothing herein shall be construed to preclude Saint-Gobain from making changes consistent with Chapter 173-401 WAC that would render existing permit compliance terms and conditions irrelevant.

b) Significant permit modifications shall meet all requirements of Chapter 173-401 WAC, including those for applications, public participation, review by affected states, and review by EPA, as they apply to permit issuance and permit renewal. Puget Sound Clean Air Agency shall complete review on the majority of significant permit modifications within nine months after receipt of a complete application.

[WAC 173-401-725, 11/4/93]

F. Reopening for Cause

1) **Standard provisions.** This permit shall be reopened and revised under any of the following circumstances:

a) Additional applicable requirements become applicable to Saint-Gobain with a remaining permit term of three or more years. Such a reopening shall be completed not later than eighteen months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to WAC 173-401-620(2)(j);

b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into the permit;

c) Puget Sound Clean Air Agency or EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit; or

d) Puget Sound Clean Air Agency or EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

2) **Procedures.** Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable.

3) **Notice**. Reopenings under this section shall not be initiated before a notice of such intent is provided to Saint-Gobain by the Puget Sound Clean Air Agency at least thirty days in advance of the date that the permit is to be reopened, except that the Puget Sound Clean Air Agency may provide a shorter time period in the case of an emergency.

[WAC 173-401-730, 11/4/93]

VII. PERMIT SHIELD

Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements contained in Sections I through VI of this permit that are specifically identified in this permit as of the date of permit issuance. [WAC 173-401-640(1), 11/4/93]

Nothing in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the FCAA (emergency orders), including the authority of the administrator under that section;

(2) The liability of an owner or operator of Saint-Gobain for any violation of applicable requirements prior to or at the time of permit issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the FCAA;

(4) The ability of EPA to obtain information from a source pursuant to Section 114 of the FCAA; or

(5) The ability of Puget Sound Clean Air Agency to establish or revise requirements for the use of reasonably available control technology (RACT) as provided in Chapter 252, Laws of 1993.

[WAC 173-401-640(4), 11/4/93]

VIII. INAPPLICABLE REQUIREMENTS

As of the date of permit issuance, the requirements listed below do not apply to Saint-Gobain, or to the specific emission units specified below for the reasons indicated. The permit shield applies to all requirements so identified. [WAC 173-401-640(2), 11/4/93]

Citation	Type of Requirement	Basis for Nonapplicability
WAC 173-400-151	Retrofit Requirements for Visibility Protection	This requirement is not applicable because emissions do not exceed the criteria and the plant is not one of the identified eligible source categories.
WAC 173-470	Ambient Air Quality Standards for Particulate Matter	Ambient air quality standards are not "applicable requirements" [See WAC 173-400-200(4); 57 Fed. Reg. 32276 (July 22, 1992)].
WAC 173-474	Ambient Air Quality Standards for Sulfur Oxides	Ambient air quality standards are not "applicable requirements" [See WAC 173-400-200(4); 57 Fed. Reg. 32276 (July 22, 1992)].
WAC 173-475	Ambient Air Quality Standards for Carbon Monoxide, Ozone, and Nitrogen Dioxide	Ambient air quality standards are not "applicable requirements" [See WAC 173-400-200(4); 57 Fed. Reg. 32276 (July 22, 1992)].
WAC 173-480	Ambient Air Quality Standards and Emission Limits for Radionuclides	Ambient air quality standards are not "applicable requirements" [See WAC 173-400-200(4); 57 Fed. Reg. 32276 (July 22, 1992)]. These standards are also not applicable requirements because Saint-Gobain does not emit radionuclides.
WAC 173-481	Ambient Air Quality and Environmental Standards for Fluorides	Ambient air quality standards are not "applicable requirements" [See WAC 173-400-200(4); 57 Fed. Reg. 32276 (July 22, 1992)].
Puget Sound Clean Air Agency Reg. I: Article 5	Registration	This section is applicable because Title V permitted sources are not subject to these registration and reporting requirements per RCW 70.94.161(17).
Puget Sound Clean Air Agency Reg I: Sections and 9.04(c)(1) (4/9/98) and 9.04(c)(1)(3/25/04, *State Only*)	5% Opacity for 1 Hour	As determined by a continuous emission monitoring system (CEMS), but does not apply to Glass Melting Furnaces No. 2, No. 3, No. 4 and No. 5, because they are tested for particulate annually. In this case, the permit requires testing for particulate at least annually.

IX. INSIGNIFICANT EMISSION UNITS

I.A. Insignificant Emission Units and Activities

1. As of the date of permit issuance, the emission units listed below are defined as insignificant for the reasons indicated.

Unit	Basis for IEU Designation
Lube oil storage tanks	WAC 173-401-532(3)
Shear spray storage and delivery system	WAC 173-401-532(4)
Hydraulic fluid storage tanks	WAC 173-401-532(4)
Vehicle maintenance	WAC 173-401-532(7)
Internal combustion engines for propelling or powering a vehicle	WAC 173-401-532(10)
Welding equipment	WAC 173-401-532(12)
Cleaning and sweeping of streets and paved surfaces	WAC 173-401-532(35)
Roads (sweep and water for dust control)	WAC 173-401-532(35)
Steam cleaner	WAC 173-401-532(39)
Portable kerosene, grease, and oil drums	WAC 173-401-532(42)
Truck wash	WAC 173-401-532(45)
Window air conditioners	WAC 173-401-532(46)
Bathroom vents	WAC 173-401-532(48)
Fuel and exhaust emissions from vehicles in parking lots	WAC 173-401-532(54)
Staff vehicles	WAC 173-401-532(54)
Shot blasting unit	WAC 173-401-532(55)
Air compressor (electric)	WAC 173-401-532(88)
Safety-Kleen station	WAC 173-401-533(2)(z)
Difluoroethane tanks (< 550 mm Hg)	WAC 173-401-533(2)(b)
Printers (< 2 gallon/day)	WAC 173-401-533(2)(l)
Space heaters (using propane, kerosene or natural gas and generating < 5 MMBtu/hr)	WAC 173-401-533(2)(r)
Diesel tanks	WAC 173-401-533(2)(t)
Surface coating (containing < 1% VOC)	WAC 173-401-533(2)(y)
Calibration gases (for equipment)	WAC 173-401-533(3)(c)

X. APPENDIXES

A. Non-EPA Test Methods

(1) Puget Sound Clean Air Agency Method 5 as approved by Puget Sound Clean Air Agency Board Resolution 540 dated August 11, 1983

(2) Ecology Method 9A

B. EPA Quality Assurance Procedures for COMS

Continuous Emission Monitoring for Opacity: "Recommended Quality Assurance Procedures for Opacity Continuous Monitoring Systems" (EPA 340/1-86-010)

C. Saint-Gobain Compliance Schedule